

CHROMOSOME NUMBER OF *SIUM SUAVE*.¹—Conflicting chromosome counts for *Sium suave* Walt. occur in the literature. Bell and Constance (1960) report chromosome counts of $n=6$ for plants from Illinois, South Carolina, and Oregon. Liu (1961) records a chromosome number of $n=6$ for plants from Taiwan. The only mitotic count reported is by Mulligan (1961), who reports a chromosome number of $2n=22$ for plants from Ottawa, Canada.

In an effort to end this discrepancy, mitotic counts were made on plants from Ashtabula County, Ohio. In addition, the herbarium specimens from which Mulligan made his counts were examined. As a result of this examination and by using keys in manuals, Mulligan's plants were determined to be *Cicuta bulbifera* L., despite the following label information on the sheet. "*Sium suave* Walt. Ottawa, edge of Rideau Canal. Chromosome count of $2n=22$ determined on root tips from these two plants. G. A. Mulligan #2463. Aug. 6, 1959". Because of this error in identification, this count must be discarded as a chromosome number for *Sium suave*. Appreciation is expressed to W. J. Cody, Curator, Phanerogamic Herbarium, Plant Research Institute, Department of Agriculture, Ottawa, Canada, for the loan of the above specimen.

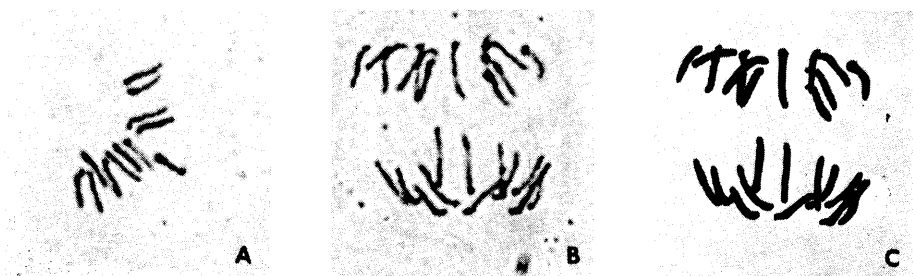


FIGURE 1. Chromosomes in root tip cells of *Sium suave*. A. Photomicrograph of metaphase. $\times 1800$. B & C. Photomicrograph and camera lucida drawing of anaphase. $\times 1400$.

Determination of the mitotic count on plants of *Sium suave* from Ashtabula County, Ohio, was made as follows. Root tips were fixed in a mixture of 6 parts absolute methanol : 3 parts chloroform : 2 parts propionic acid, and stained in 2% lactic-acetic-orcein (Cooperrider and Morrison, 1967). A chromosome number of $2n=12$ (Figure 1) was found in 25 cells from two plants. Voucher specimens were deposited in the Kent State University Herbarium; the collection data are given below.

Ohio. Ashtabula County: swamp in Public Hunting Area two miles southeast of New Lyme, *Brockett* #575, 587.—BRUCE L. BROCKETT; *Department of Biological Sciences, Kent State University, Kent, Ohio 44240*.

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LITERATURE CITED

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 Liu, T. S. *et al.* 1961. Umbelliferae of Taiwan. *Quart. Jour. Taiwan Mus.* 14: 15-47.
 Mulligan, G. A. 1961. Chromosome numbers of Canadian weeds. III. *Canad. Jour. Bot.* 39: 1057-1066.